

PERFORMANCE SPECIFICATION

TRANSFORMERS AND INDUCTORS
(AUDIO, POWER, AND HIGH-POWER PULSE),
GENERAL SPECIFICATION FOR

This supplement forms a part of MIL-PRF-27G, dated 19 May 2014.

SPECIFICATION SHEETS

- * MIL-T-27/1 - Transformers, Audio Frequency.
- * MIL-T-27/2 - Transformers, Audio Frequency.
- * MIL-PRF-27/25 - Transformer, Power, Step-Down, 3-Phase.
- MIL-PRF-27/30 - Transformers, Audio Frequency.
- * MIL-PRF-27/33 - Transformer, Power, Step-Up.
- MIL-PRF-27/37 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz.
- MIL-PRF-27/38 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/39 - Transformers, Power, 3 Volt-Amperes, 400 Hz.
- MIL-PRF-27/40 - Transformers, Power, 3 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/41 - Transformers, Power, 6 Volt-Amperes, 400 Hz.
- MIL-PRF-27/42 - Transformers, Power, 6 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/43 - Transformers, Power, 9 Volt-Amperes, 400 Hz.
- MIL-PRF-27/44 - Transformers, Power, 16 Volt-Amperes, 400 Hz.
- MIL-PRF-27/45 - Transformers, Power, 16 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/46 - Transformers, Power, 25 Volt-Amperes, 400 Hz.
- MIL-PRF-27/47 - Transformers, Power, 25 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/48 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz.
- MIL-PRF-27/49 - Transformers, Power, 1.5 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/50 - Transformers, Power, 3 Volt-Amperes, 400 Hz.
- MIL-PRF-27/51 - Transformers, Power, 3 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/52 - Transformers, Power, 6 Volt-Amperes, 400 Hz.
- MIL-PRF-27/53 - Transformers, Power, 6 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/54 - Transformers, Power, 9.0 Volt-Amperes, 400 Hz.
- MIL-PRF-27/55 - Transformers, Power, 16 Volt-Amperes, 400 Hz.
- MIL-PRF-27/56 - Transformers, Power, 25 Volt-Amperes, 400 Hz.
- MIL-PRF-27/57 - Transformers, Power, 50 Volt-Amperes, 400 Hz.
- MIL-PRF-27/58 - Transformers, Power, 75 Volt-Amperes, 400 Hz.
- MIL-PRF-27/59 - Transformers, Power, 100 Volt-Amperes, 400 Hz.
- MIL-PRF-27/60 - Transformers, Power, 250 Volt-Amperes, 400 Hz.
- MIL-PRF-27/61 - Transformers, Power, 16 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/62 - Transformers, Power, 25 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/63 - Transformers, Power, 50 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/64 - Transformers, Power, 75 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/65 - Transformers, Power, 100 Volt-Amperes, 400 Hz, Electrostatic Shielded.
- MIL-PRF-27/66 - Transformers, Power, 250 Volt-Amperes, 400 Hz, Electrostatic Shielded.

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MIL-PRF-27/67	- Transformers, Audio Frequency.
MIL-PRF-27/68	- Transformers, Audio Frequency.
MIL-PRF-27/69	- Transformers, Audio Frequency.
MIL-PRF-27/70	- Transformers, Audio Frequency.
MIL-PRF-27/71	- Transformers, Audio Frequency.
MIL-PRF-27/72	- Transformers, Audio Frequency.
MIL-PRF-27/76	- Transformers, Audio Frequency.
MIL-PRF-27/79	- Transformer, Audio Frequency.
MIL-PRF-27/88	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/89	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
MIL-PRF-27/96	- Transformer, Audio Frequency, Subminiature.
MIL-PRF-27/97	- Transformer, Audio Frequency, Subminiature.
* MIL-T-27/99	- Transformer, Power, Step-Down.
MIL-PRF-27/103	- Transformer, Audio Frequency.
MIL-PRF-27/111	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio.
MIL-PRF-27/112	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio.
* MIL-T-27/129	- Transformer, Power, Stepdown, Step-Up.
MIL-PRF-27/134	- Transformer, Power, Step-Down.
* MIL-T-27/138	- Transformer, Power, Stepdown, 3-Phase.
* MIL-T-27/140	- Transformer, Power, Stepdown.
* MIL-T-27/141	- Transformer, Power, Stepdown.
* MIL-T-27/142	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency.
* MIL-T-27/145	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Variable, High Q.
MIL-PRF-27/146	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
MIL-PRF-27/147	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio, High Q.
* MIL-T-27/148	- Transformer, Power, Step-Down.
* MIL-T-27/149	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
* MIL-T-27/151	- Transformer, Power, Step-Down.
* MIL-T-27/153	- Transformer, Power, Step-Down.
* MIL-T-27/154	- Transformer, Power, Step-Down.
MIL-PRF-27/155	- Transformer, Power, Step-Down.
* MIL-T-27/156	- Transformer, Power, Step-Down.
MIL-PRF-27/157	- Transformer, Power, Step-Down.
* MIL-T-27/158	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Transformer, Power, Step-Down.
* MIL-T-27/159	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/160	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/161	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
* MIL-T-27/162	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
* MIL-T-27/163	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Audio Frequency, High Q.
MIL-PRF-27/164	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
MIL-PRF-27/165	- Transformer, Audio Frequency.
MIL-PRF-27/166	- Transformer, Audio.

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MIL-PRF-27/167	- Transformer, Audio Frequency.
* MIL-T-27/168	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, High Q.
* MIL-T-27/170	- Transformer, Audio Frequency.
* MIL-T-27/171	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
MIL-PRF-27/172	- Transformers, Audio Frequency, Sub-Miniature.
MIL-PRF-27/173	- Transformers, Audio Frequency, Micro-Miniature.
* MIL-T-27/174	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/175	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
* MIL-T-27/176	- Transformer, Audio Frequency.
* MIL-T-27/179	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/181	- Transformer, Power, Step-Down and Step-Up.
* MIL-T-27/183	- Transformer, Power, Step-Down and Step-Up.
* MIL-T-27/184	- Transformer, Power, Step-Down.
* MIL-T-27/185	- Transformer (Chopper Unit).
* MIL-T-27/187	- Transformer, Power, Step-Down, Autotransformer.
* MIL-T-27/189	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/190	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/191	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/192	- Transformer, Power, Stepdown.
* MIL-T-27/193	- Transformer, Power, Step-Down.
* MIL-T-27/194	- Transformer, Power, Step-Down and Step-Up.
* MIL-T-27/195	- Transformer, Power, Step-Down.
* MIL-T-27/197	- Transformer, Audio Frequency.
* MIL-T-27/202	- Transformer, Power, Step-Down.
MIL-PRF-27/205	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
* MIL-T-27/207	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Power.
* MIL-T-27/214	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency.
* MIL-T-27/223	- Transformers, Power, Step-Down.
* MIL-T-27/227	- Transformers, Power, Step-Down.
* MIL-T-27/235	- Transformers, Power, Isolation, Shielded.
MIL-PRF-27/240	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
MIL-PRF-27/241	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductor, Audio Frequency, High Q.
* MIL-T-27/247	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Transformer, Audio Frequency.
* MIL-T-27/261	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power (100 VA).
* MIL-T-27/265	- Transformer, Power, Step-Down and Step-Up.
MIL-PRF-27/277	- Transformer, Audio Frequency, Sub-Miniature.
MIL-PRF-27/286	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
MIL-PRF-27/287	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
MIL-PRF-27/288	- Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.

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- MIL-PRF-27/289 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/290 - Transformer, Audio Frequency.
- * MIL-T-27/291 - Transformers, Power, Step-Down.
- * MIL-T-27/295 - Transformers, Power, Step-Down.
- MIL-PRF-27/300 - Transformers, Power, Step-Down.
- MIL-PRF-27/312 - Transformer, Power, 5 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/313 - Transformer, Power, 10 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/314 - Transformer, Power, 15 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/315 - Transformer, Power, 20 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/316 - Transformer, Power, 30 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/317 - Transformer, Power, 40 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/318 - Transformer, Power, 80 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/319 - Transformer, Power, 120 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/320 - Transformer, Power, 160 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/321 - Transformer, Power, 200 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/322 - Transformer, Power, 300 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/323 - Transformer, Audio Frequency, Telephone Interconnect.
- MIL-PRF-27/326 - Transformer, Power, 5 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/327 - Transformer, Power, 15 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/328 - Transformer, Power, 30 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/329 - Transformer, Power, 60 Volt-Amperes, 60 Hertz.
- MIL-PRF-27/330 - Transformer, Power, 100 VA to 140 VA, 60 Hertz.
- MIL-PRF-27/331 - Transformer, Power, 160 VA to 170 VA.
- MIL-PRF-27/332 - Transformer, Power, 7 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/333 - Transformer, Power, 10 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/334 - Transformer, Power, 25 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/335 - Transformer, Power, 50 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/336 - Transformer, Power, 120 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/337 - Transformer, Power, 150 and 200 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/338 - Transformer, Power, 2 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/339 - Transformer, Power, 6 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/340 - Transformer, Power, 15 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/341 - Transformer, Power, 24 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/342 - Transformer, Power, 80 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/343 - Transformer, Power, 175 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/344 - Transformer, Power, 90 Volt-Amperes, 3-Phase.
- MIL-PRF-27/345 - Transformer, Power, 120 Volt-Amperes, 3-Phase.
- MIL-PRF-27/346 - Transformer, Power, 150 Volt-Amperes, 3-Phase.
- MIL-PRF-27/347 - Transformer, Power, 200 Volt-Amperes, 3-Phase.
- MIL-PRF-27/348 - Transformer, Power, 270 Volt-Amperes, 3-Phase.
- MIL-PRF-27/349 - Transformer, Power, 375 Volt-Amperes, 3-Phase.
- MIL-PRF-27/350 - Transformer, Power, 15 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/351 - Transformer, Power, 25 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/352 - Transformer, Power, 50 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/353 - Transformer, Power, 75 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/354 - Transformer, Power, 100 Volt-Amperes, 400 Hertz.
- MIL-PRF-27/356 - Transformers and Inductors (Audio, Power, and High-Power Pulse), Inductors, Power.
- MIL-PRF-27/357 - Transformer, Audio Frequency, Ultra-Miniature.
- MIL-PRF-27/358 - Transformer, Audio Frequency, Sub-Miniature.
- MIL-PRF-27/359 - Transformer, Audio Frequency, Ultra-Miniature.
- MIL-PRF-27/360 - Transformer, Power, 15 Volt-Amperes, 60 Hz.
- MIL-PRF-27/364 - Transformer, Power, 107 Volt-Amperes, 3-Phase.
- MIL-PRF-27/366 - Transformer, Switching.
- MIL-PRF-27/367 - Inductor, Power, High Current, Surface Mount.
- MIL-PRF-27/368 - Inductor, Power, Surface Mount.
- MIL-PRF-27/369 - Inductor, Power.

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MIL-PRF-27/370 - Inductor, Power, High Current, Surface Mount.
MIL-PRF-27/371 - Inductor, Power, Unshielded, Molded, Axial Leaded.
MIL-PRF-27/372 - Inductor, Surface Mount, Leadless.

MILITARY STANDARDS

- * MS16403 - Transformer, Power, Step-Down and Step-Up.
- * MS16450 - Transformer, Power, Step-Down.

* Inactive for new design

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POWER TRANSFORMERS (SINGLE PHASE)

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)	Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
50/60 Hz				60 Hz			
151	105/115/210/220	5	10	140	115	50	2
326	115	5 to 60 (P) 10 to 120 (S)	1.0 to .08 .5 to .04	141	115	50	2
327	115	"	3 to .24 1.5 to .12	295	15	4,4	.035, .035
328	115	"	6 to .48 3 to .24	300	105/115/125	2.5 to 6.3	2 to 20
329	115	"	12 to .96 6 to .48	312	115	5 to 138 CT	1.0 to .036
330	115	"	20 to 2.32 10 to 1.16	181	115	6.3 CT, 450 CT	2, .03
313	115	5 to 220 CT	2.0 to .045	183	115	6.3, 5.0, 670 CT	5, 2, .150
314	115	"	3.0 to .068	380 to 1000 Hz			
315	115	"	4.0 to .091	202	105/115	6.3 CT	5.5
316	115	"	6.0 to .136	158	105/115	6.3 CT	10
317	115	"	8.0 to .182	400 Hz			
318	115	"	16.0 to .364	33	28	140 CT	
319	115	6.3 to 220 CT	19.0 to .546	223	107	49 CT, 5.5, 8.45	.01, 22.5, 16.4
157	115	7.76 to 13.44	.4, .4	73	115	3,3	.006, .006
184	115	"	.02	350	115	5 to 115 CT	3 to .13
156	115	"	.105	351	115	5 to 115 CT	5 to .21
148	115	"	1	352	115	5 to 115 CT	10 to .43
331	115	8 to 60 (P) 16 to 120 (S)	20 to 2.82 10 to 1.41	338	115	5 to 138 CT	.4 to .014
320	115	8 to 220 CT	20.0 to .728				
321	115	10 to 220 CT	20.0 to .914				
360	115	12.6 (series) 6.3 (parallel)	1.19 (series) 2.38 (parallel)				
322	115	16 to 220 CT	18.7 to 1.36				
154	115	20 CT	.3				
155	115	20 CT	.6				
235	115	115	.435 to 8.7				
153	115/220	6.3 CT	2				

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POWER TRANSFORMERS (SINGLE PHASE) – CONTINUED.

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)	Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
400 Hz, continued				400 Hz, continued			
339	115	5 to 220 CT	1.2 to .027	129	115, 47, 26, 10	77.5 CT, 168 CT, 66 CT, 10.2, 2	.12, .029, .035, .2, .001
340	115	5 to 220 CT	3 to .068				
341	115	5 to 220 CT	4.8 to .109	134	120	28.6	.385
342	115	5 to 220 CT	16 to .364				
343	115	5 to 220 CT	35 to .79	3,000 Hz (sq. wave)			
37, 38, 48, 49	115	6 CT to 300 CT	.25 to .005	99	4.75, 7.125, 14.25	225 mV, 600 mV, 675 mV, 750 mV	.1
39, 40, 50, 51	115	6 CT to 300 CT	.5 to .01	3,700 Hz (sq. wave)			
41, 42, 52, 53	115	6 CT to 300 CT	1 to .02	265	56 CT	9.6 CT, 8, 4250	.5, 2.5, .0015
43, 54	115	6 CT to 300 CT	1.5 to .03	7,700 Hz (sq. wave)			
44, 45, 55, 61	115	6 CT to 300 CT	2.67 to .053	195	40	8.1	.04
46, 47, 56, 62	115	6 CT to 300 CT	4.17 to .083	194	60	19.5, 14, 62.8, 37.6	.6, .3, .013, .09
57, 63	115	6 CT to 300 CT	8.333 to .167	192	60	8.6, 8.6	.3, .006
353	115	7 CT to 115 CT	10 to .65	10,000 Hz			
354	115	10 to 115 CT	10 to .87	193	50	5, 8.06	.011, .3
332	115	10 to 120 (S) 5 to 60 (P)	.7 to .058 1.4 to .116	20,000 Hz (sq. wave)			
333	115	10 to 120 (S) 5 to 60 (P)	1 to .083 2 to .166	291	52	37.5 (8 sep. windings)	.001
334	115	10 to 120 (S) 5 to 60 (P)	2.5 to .208 5 to .416				
335	115	10 to 120 (S) 5 to 60 (P)	4 to .41 8 to .82				
336	115	10 to 120 (S) 5 to 60 (P)	12 to 1 24 to 2				
337	115	10 to 120 (S) 5 to 60 (P)	15 to 1.25 30 to 2.5				
58, 64	115	10 CT to 300 CT	7.5 to .25				
227	115	11.7 to 13.1	.05, .1				
59, 65	115	12 CT to 300 CT	8.33 to .33				
187	115	12.5	11.2				
60, 66	115	26 CT to 300 CT	9.62 to .83				
77	115	115	.45				

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POWER TRANSFORMERS (THREE PHASE)

Specification sheet	Primary voltage (volts, rms)	Secondary voltage (volts, rms)	Secondary current (amperes, rms)
400 Hz			
25	115	42, 42	.9, .9
364	115	22, 19, 19	1.0, .578, .144
344	115,200	5 to 200	6 to .16
345	115, 200	5 to 200	8 to .2
346	115, 200	5 to 200	10 to .25
347	115, 200	5 to 200	13.34 to .34
348	115, 200	12 to 200	7.5 to .45
349	115, 200	12 to 200	10.42 to .63
138	226	14	40

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AUDIO TRANSFORMERS

Specification sheet	Power rating (milliwatt)	Frequency range (hertz)	Primary impedance (ohms)	Secondary impedance (ohms)
30	6	10 to 20 K	50 to 600	50 to 600
197	4 to 10,000	30 to 20 K	20 to 30 K	4 to 100 K
359	50 to 2,000	50 to 30 K	20 to 135 K	2 to 50,000
185 1/	60, 1.6	60 to 400	10 KCT, 2.5 KCT	50 K
67	500	60 to 10 K	250 CT to 10 KCT	4 to 10 KCT
79	6,000	60 to 10 K	10 KCT	600 CT
68	500	100 to 8 K	250 CT to 10 KCT	4 to 25 KCT
358	40 to 1,000	150 to 20 K	20 CT to 250 KCT	8 to 80,000
247	2	200 to 10 K	600 CT to 10 KCT	3.2 to 10 KCT
165	10 to 250	200 to 20 K	3.2 to 100 K	3.2 to 100 K
69	500	200 to 20 K	250 CT to 25 KCT	4 to 25 KCT
70	60 to 150	200 to 20 K 200 to 15 K (for dash no. 01)	600 CT to 100 KCT	4 to 25 KCT
1	2,000	250 to 5 K	4 K	8
2	2,000	250 to 5 K	600	8
166	3 to 250	50 to 20 K	50 to 20 K	8 to 1 M
170	1	300 to 3400	600	1200 CT
323	10	300 to 4 K	600 CT, 600 SP	600 CT, 600 SP
323	5	300 to 4 K	600	600

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AUDIO TRANSFORMERS - CONTINUED

Specification sheet	Power rating (milliwatt)	Frequency range (hertz)	Primary impedance (ohms)	Secondary impedance (ohms)
76	25 to 100	300 to 20 K	1 KCT to 200 KCT	50 to 12 KCT
96	100	300 to 20 K	1200	3.2
290	100	300 to 20 K	1125 CT	9K, 9K
172	25 to 600	300 to 100 K	80 to 200 K	3.2 to 20 K
167	5 to 100	300 to 20 K	50 to 200 K	3.2 to 90 K
71	10 to 30	300 to 100 K	600 CT to 100 KCT	4 to 25 KCT
72	10 to 50	300 to 100 K, 300 to 40 K (for dash no. -01)	600 to 100 K	60 to 10 K
173	40 to 80	300 to 250 K	150 to 25 K	12 to 10 K
357	100 to 600	300 to 75 K	20 to 100,000	8 to 40,000
97	125	400 to 100 K	2000 CT	8000
103	50 TO 500	400 to 100 K	80 CT TO 12.5 KCT	32 SP to 12 KCT
277	125	400 to 100 K	150 CT	150 CT
176	750	10 K	35	143 CT

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AUDIO INDUCTORS

Specification sheet	Inductance range (millihenries)	DC current (amperes)	DC resistance (ohms)
214	.05 to 250		1.89 to 435
241	.6 to 40 at 1 kHz	.09 to .011	1.9 to 132
146	1 to 100 at 1 kHz	60 to 6	1.4 to 132
240	3 to 120 at 1 kHz	.05 to .008	4.8 to 186
145	6 to 1500 at 1 kHz	.1 to .01	.5 to 141
205	7 to 35 K at 500, 1 kHz	.25 to .003	.6 to 3200
142	10 to 2000 at 1 kHz	.07 to .005	2.5 to 500
112	10 at 400 Hz	.050	.5
111	10 to 400 Hz	.050	.5
147	10 to 60 K at 400, 500 Hz	.4 to .004	.3 to 1670
161	50 to 5 K at 1 kHz	.025 to .003	27 to 2500
163	100 to 10 K at 400 Hz	.06 to .006	4.2 to 440
168	100 to 1 K at 1 kHz	.055 to .016	14 to 130
164	150 to 1400 at 1 kHz 2500 to 60 K at 400 Hz	.012 to .003 .001 to .0002	33 to 5160
175	250 to 2500 K at 60 Hz	0	5 to 13 K
162	500 to 600 K at 60 Hz	.05 to .0002	21 to 5720
145	4000 to 150 K at 60 Hz	.007 to .0015	360 to 15.6
168	2 K to 100 K at 400 Hz	.008 to .0011	130 to 8550

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POWER INDUCTORS

Specification sheet	Inductance range (henries)	DC current (amperes)	DC resistance (ohms)
287	8 μ H to 1.25 mH at 10 kHz	1.2 to 15	.7 to .005
288	20 μ H to 3 mH at 10 kHz	1.2 to 15	1.2 to .008
191	40 μ H to 60 μ H at 16 kHz	4.8	.03
289	60 μ H to 10 mH at 10 kHz	1.1 to 13.6	2.1 to .014
88	72 μ H at 10 kHz	1	.3
286	30 μ H to 5 mH at 20 kHz	3.0 to .25	.14 to 5.6
190	250 μ H	.75	2
207	300 μ H to 800 μ H at 400 Hz	.4 to 2.0	1.0 to .5
89	450 μ H, 450 μ H at 400 Hz	.5, .5	.2, .2
261	1.35 mH at 800 Hz	3.85	.2
189	1.5 mH at 16 kHz	1.5	1.6
171	1.6 mH to 180 mH (series) .4 mH to 45 mH (parallel) at 60 Hz	.035 to 30	.52 to .68
356	.040 mH to 20 mH at 10 kHz	3.28 to .06	54 to .04
160	1 at 60 Hz	.2	69
179	1 at 60 Hz	.325	44
159	1.25 AT 60 Hz	.1	120
149	1.5 at 60 Hz	.045	225
174	5.5 to 20 at 60 Hz	.010 to .40	48 to 925
209	25 at 60 Hz	.08	645
367	0.22 μ H to 22mH	7.00 to 0.050	0.008 to 160
368	1.0 μ H to 330 μ H	1.050 to 0.090	0.113 to 15.24
369	1.0 μ H to 18mH	6.27 to 0.090	0.008 to 40
370	1.0 μ H to 18mH	6.27 to 0.090	0.008 to 40
371	0.22 μ H to 10mH	7.00 to 0.050	0.008 to 160
372	25 μ H to 10mH	0.020 to 2.70	0.400 to 128

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Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA – CC

Preparing activity:
DLA - CC

(Project 5950-2014-040)

Review activities:

Army - AR, CR4
Navy – AS, MC
Air Force - 11
Other - MDA

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.